



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: July 25, 2011

RE: Agricor, Inc / 053-30313-00052

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FNPER-AM.dot12/3/07



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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July 25, 2011

Dan Friday  
Agricor, Inc.  
1626 South Joaquin Drive  
Marion, Indiana 46952

Re: 053-30313-00052  
Fourth Administrative Amendment to  
F053-16206-00052

Dear Mr. Friday:

Agricor, Inc was issued a Federally Enforceable State Operating Permit (FESOP) Renewal No. F053-16206-00052 on September 12, 2007 for a stationary dry corn milling operation located at 1626 South Joaquin Drive, Marion, Indiana 46952. On March 4, 2011, the Office of Air Quality (OAQ) received an application from the source to include a 6.695 million British thermal units per hour (mmBtu/hr) natural gas fired boiler; clarify or correct emission unit descriptions and stack ID's; and to clarify that the bin vent filters are integral to the pneumatic transfer operation.

The filter on the silo is considered integral to the process in regards to permit level determination because the product throughput from the milling operation (CM1) is pneumatically conveyed to the storage bins and the filter separates product from air when the product has reached its destination. One of the primary purpose, along with air pollution control, of the filter is for product capture. The bin vent filters cost \$36,329.20 per year to operate and saves \$176,601.60 per year by preventing loss of product. IDEM, OAQ evaluated the justifications and agreed that the bin vent filter will be considered as an integral part of the storage bins due to its overwhelming positive economic impact.

The addition of the 6.695 million btu per hour natural gas fired boiler to the permit is considered an administrative amendment pursuant to 326 IAC 2-8-10(a)(14). The entire source will continue to limit PM emissions to 89.85 tons per twelve (12) consecutive month period, rendering the requirements of 326 IAC 2-7 not applicable. The addition of these units will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 or 326 IAC 2-3. Pursuant to the provisions of 326 IAC 2-8-10, the permit is hereby administratively amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**:

## A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

...

- (d) Fifteen (15) **finished product** storage bins, identified as 1-1 through 1-4, 2-1 through 2-4, 3-1 through 3-4, and 4-1 through 4-3, constructed in 1983, capacity: 50,000 pounds of grain products, each. **Finished product is transferred to the packaging operation** **Packaging exhaust from the packaging operation is routed through** equipped with a baghouse, identified as ~~Packaging Dust Collector (PDC)~~, and exhausting to Stack PDC.

...

- (k) One (1) cooling operation, identified as Line 1 Cooling, constructed in 1983, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-1 and ~~C-3~~ **C-2**, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**),

capacity: 28,000 pounds of grain products per hour.

- (l) One (1) cooling operation, identified as Line 2 Cooling, constructed in 2001, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-4 and C-5, with C-4 and C-5 exhausting to Stacks C-4 and C-5 initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of grain products per hour.
- (m) One (1) milling line, identified as Line 1 Milling, constructed in 1983 with equipment upgrades in 1998, consisting of the following: one sifting operation, one grinding operation, and one aspiration operation equipped with ~~four (4)~~ **five (5)** baghouses for particulate control, identified as A/B asp, A plf, **B asp**, B plf, and A/B feed, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of corn per hour.
- (n) One (1) milling line, identified as Line 2 Milling, constructed in 2001, capacity: 28,000 pounds of corn per hour, consisting of the following: **three (3) roller mills** ~~one (1)~~ **two (2)** sifting operations, ~~one grinding operation~~, and ~~one~~ **eight (8)** aspiration operations, equipped with ~~four (4)~~ **three (3)** baghouses for particulate control, identified as **MVSA**, **C aspgs** and **C plf & booster fan**, ~~all~~ initially exhausting to **inside** the Milling Buildings, which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**) and ~~MVSA and P-1~~, exhausting to ~~Stacks MVSA and P-1~~, respectively.
- ...
- (p) One (1) **feed** conveying operation, constructed in 2001, equipped with a baghouse for particulate control, identified as FC-1, exhausting to Stack FC-1, initially exhausting inside the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of corn per hour.
- ~~(q) One (1) loading and shipping operation, identified as Line 1 Loading, constructed in 1983, equipped with a baghouse, identified as TLF, exhausting to Stack TLF, capacity 51,520 pounds of grain products per hour.~~
- ~~(r) One (1) loading and shipping operation, identified as Rail Feed Loading, constructed in 1983, capacity 100,000 pounds of grain products per hour.~~
- ~~(s) One (1) loading and shipping operation, identified as 2006 Feed Loading, constructed in 2006, equipped with two baghouses, identified as TLF and GSF, exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of grain products per hour.~~
- (q) **One (1) food grade product packaging, loading and shipping operation, identified as Food Grade Load-out, which includes the Truck Load-out, Rail Load-out and bagging operation, with a combined capacity of 225,680 tons per year. Truck Load-out was constructed in 1983, equipped with a baghouse, identified as TLP, exhausting to Stack TLP, capacity 51,520 pounds of grain products per hour. The bagging operation was constructed in 1983. Packaging exhaust is routed through a baghouse identified as PDC, which exhausts to Stack PDC. Rail Load-out was constructed in 1983, capacity 51,520 pounds of product per hour.**
- (r) **One (1) feed loading and shipping operation, identified as Feed Load-out, which includes the 2006 Feed Load-out, Old Feed Load-out and Rail Feed Load-out, with a combined maximum capacity of 78,980 tons per year. 2006 Fee Load-out was constructed in 2006, equipped with two (2) baghouses, identified as TLF and GSF,**

**exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of feed per hour. Rail Feed Load-out was constructed in 1983 and has a capacity of 100,000 pounds of feed per hour.**

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

...

(c) **One (1) natural gas fired boiler, identified as B3, constructed in 2010, permitted in 2011, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 6.695 million British thermal units per hour.**

(ed) Unpaved roads and parking lots with public access. [326 IAC 2-7-1(21)(G)(xiii)]

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Dry Corn Milling Operation

...

(d) Fifteen (15) **finished product** storage bins, identified as 1-1 through 1-4, 2-1 through 2-4, 3-1 through 3-4, and 4-1 through 4-3, constructed in 1983, capacity: 50,000 pounds of grain products, each. **Finished product is transferred to the packaging operation. Packaging exhaust from the packaging operation is routed through equipped with a baghouse, identified as ~~Packaging Dust Collector (PDC)~~, and exhausting to Stack PDC.**

...

(k) One (1) cooling operation, identified as Line 1 Cooling, constructed in 1983, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-1 and ~~C-3~~ **C-2**, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of grain products per hour.

(l) One (1) cooling operation, identified as Line 2 Cooling, constructed in 2001, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-4 and C-5, with C-4 and C-5 exhausting to Stacks C-4 and C-5 initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of grain products per hour.

(m) One (1) milling line, identified as Line 1 Milling, constructed in 1983 with equipment upgrades in 1998, consisting of the following: one sifting operation, one grinding operation, and one aspiration operation equipped with ~~four (4)~~ **five (5)** baghouses for particulate control, identified as A/B asp, A plf, **B asp**, B plf, and A/B feed, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks ~~M-1, M-2 and M-3~~ **V-1, V-2 and V-3**), capacity: 28,000 pounds of corn per hour.

(n) One (1) milling line, identified as Line 2 Milling, constructed in 2001, capacity: 28,000 pounds of corn per hour, consisting of the following: **three (3) roller mills** ~~one (1) two (2)~~ sifting operations, ~~one grinding operation~~, and ~~one~~ **eight (8)** aspiration operations, equipped with ~~four (4)~~ **three (3)** baghouses for particulate control, identified as **MVSA**,

C aspgs and C plf & booster fan, all initially exhausting to **inside** the Milling Buildings, which then exhausts to general building ventilation (Stacks **M-1, M-2 and M-3 V-1, V-2 and V-3**) and MVSA and P-1, exhausting to Stacks MVSA and P-1, respectively.

...

- (p) One (1) **feed** conveying operation, constructed in 2001, equipped with a baghouse for particulate control, identified as FC-1, exhausting to Stack FC-1, initially exhausting inside the Milling Building which then exhausts to general building ventilation (Stacks **M-1, M-2 and M-3 V-1, V-2 and V-3**), capacity: 28,000 pounds of corn per hour.
- ~~(g) One (1) loading and shipping operation, identified as Line 1 Loading, constructed in 1983, equipped with a baghouse, identified as TLF, exhausting to Stack TLF, capacity 51,520 pounds of grain products per hour.~~
- ~~(f) One (1) loading and shipping operation, identified as Rail Feed Loading, constructed in 1983, capacity 100,000 pounds of grain products per hour.~~
- ~~(e) One (1) loading and shipping operation, identified as 2006 Feed Loading, constructed in 2006, equipped with two baghouses, identified as TLF and GSF, exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of grain products per hour.~~
- (q) One (1) food grade product packaging, loading and shipping operation, identified as Food Grade Load-out, which includes the Truck Load-out, Rail Load-out and bagging operation, with a combined capacity of 225,680 tons per year. Truck Load-out was constructed in 1983, equipped with a baghouse, identified as TLP, exhausting to Stack TLP, capacity 51,520 pounds of grain products per hour. The bagging operation was constructed in 1983. Packaging exhaust is routed through a baghouse identified as PDC, which exhausts to Stack PDC. Rail Load-out was constructed in 1983, capacity 51,520 pounds of product per hour.**
- (r) One (1) feed loading and shipping operation, identified as Feed Load-out, which includes the 2006 Feed Load-out, Old Feed Load-out and Rail Feed Load-out, with a combined maximum capacity of 78,980 tons per year. 2006 Feed Load-out was constructed in 2006, equipped with two (2) baghouses, identified as TLF and GSF, exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of feed per hour. Rail Feed Load-out was constructed in 1983 and has a capacity of 100,000 pounds of feed per hour.**

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 FESOP and PSD Minor Limits [326 IAC 2-2] [326 IAC 2-8]

- (a) The total amount of corn received at the Truck Receiving shall be limited to less than 225,680 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
  - (1) PM emissions from Truck Receiving shall be limited to 0.018 pounds per ton of grain received.
  - (2) PM<sub>10</sub> emissions from Truck Receiving shall be limited to 0.0059 pounds per ton of

grain received.

- (b) Pursuant to F 053-7235-00052, issued on July 8, 1998, and in order to ensure that this source emits less than two hundred fifty (250) tons per year of PM, and less than one hundred (100) tons per year of PM<sub>10</sub>, the following hourly limits shall apply as specified below:

Facility	PM Limit (lbs/hour)	PM <sub>10</sub> Limit (lbs/hour)
<del>Line 1 and Line 2 Cleaning</del> Cleaninghouse Baghouse A/B ch	<del>1.54</del>	<del>1.54</del>
<b>Line 1 and Line 2 Cleaning</b> Cleaninghouse Baghouse CH-1	3.49	3.49
<b>Line 1 Drying</b> Meal Dryer Cyclone, D-1 Grits Cyclone, D-2 Cones Cyclone, D-3 (ALL CONTROLLED BY CYCLONE D-8)	3.56	3.56
<b>Line 2 Drying</b> Meal Dryer Cyclone, D-4 Grits Dryer Cyclone, D-5 Cones Dryer Cyclone, D-6 (ALL CONTROLLED BY CYCLONE D-7)	1.94	1.94
<b>Line 1 Cooling</b> Meal Cooler Baghouse, C-1 Grits Cooler Baghouse, C-32	0.69 0.26	0.69 0.26
<b>Line 2 Cooling</b> Meal Cooler Baghouse, C-4 Grit Cooler Baghouse, C-5 <del>Cones Cooler, C-6</del>	0.56 0.56 0.42	0.56 0.56 0.42
<b>Line 1 Milling</b> Pneumatic Lift Baghouse, A plf Pneumatic Lift Baghouse, B plf <del>Pneumatic Lift Baghouse, C plf booster fan</del> Aspirator Baghouse, A/B asp <b>Cleaninghouse Baghouse, B asp</b> <del>General Aspiration Baghouse, C asp</del> Feed Baghouse, A/B feed	0.50 0.26 0.57 1.20 <b>1.54</b> 0.94 0.45	0.50 0.26 0.57 1.20 <b>1.54</b> 0.94 0.45
<b>Line 2 Milling</b> <del>Pneumatic Lift Baghouse, P-1</del> <del>General Suction Baghouse, GSF</del> <b>Pneumatic Lift Baghouse, C plf &amp; booster fan</b> <b>General Aspiration Baghouse, C gs</b> Aspirator Baghouse, MVSA Feed Collection Baghouse, FC-1	1.06 0.15 <b>0.57</b> <b>0.94</b> 1.88 0.65	1.06 0.15 <b>0.57</b> <b>0.94</b> 1.88 0.65
<b>Loading/Shipping</b> Truck Loadout Baghouse (Feed), TLF <b>Truck Loadout Prime, TLP</b> <b>General Suction Baghouse, GSF</b>	0.25 <b>1.06</b> <b>0.15</b>	0.25 <b>1.06</b> <b>0.15</b>

Compliance with the above limits, combined with the potential to emit PM and PM<sub>10</sub> from other emission units at the source, shall limit the PM and PM<sub>10</sub> from the entire source to less than 250 tons and 100 tons per twelve (12) consecutive month period, respectively, and render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-7 (Part 70) not applicable.

D.1.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the facilities listed in the following table shall not exceed the pound per hour value when operating at the specified process weight rate:

Unit ID/ Process	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lbs/hr)
Line 1 Receiving (fugitive)	56	45.64
Truck Receiving (Baghouse RS-1)	280	62.22
Transfer Operations (fugitive)	28.0	38.23
Line 1 and Line 2 Cleaning (Baghouse A/B ch and CH-1)	28.0	38.23
Line 1 Drying (Stack D-8)	14.0	24.02
Line 2 Drying (Stack D-7)	14.0	24.02
Line 1 Cooling (Baghouses C-1 and C-32)	14.0	24.02
Line 2 Cooling (Baghouses C-4, and C-5, and C-6)	14.0	24.02
Line 1 Milling (Baghouses A plf, B plf, A/B asp, <del>C B</del> asp and A/B feed)	14.0	24.02
Line 2 Milling (Baghouses <del>C plf &amp; booster fan, C gs,</del> MVSA, <del>P-1,</del> and FC-1 and <del>GSF</del> )	14.0	24.02
Loading and Shipping (Baghouse TLF, <b>TLP, and GSF</b> )	25.76	36.15
<del>Rail Feed Loading (fugitive)</del> <b>Fugitive Load-out</b> <b>Rail Feed Load-out and Old Feed</b> <b>Load-out</b>	50	44.57

These limitations are based on the following equations:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

and

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand

(60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

When the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed that calculated by the above equation, provided the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

...

#### D.1.5 Visible Emissions Notations

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- (a) Visible emission notations of Stacks RS-1, ~~M-1, M-2, M-3, CH-1~~ **V-1, V-2, V-3**, D-8, D-7, ~~MVSA, P-1, TLP~~, GSF, ~~FC-1~~ and TLF shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

...

#### D.1.6 Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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- (a) The Permittee shall record the pressure drop across the control devices used in conjunction with the dry corn milling operation at least once per day when the associated processes are in operation. When for any one reading, the pressure drop across baghouse P-1 is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. ~~in accordance with Section C - Response to Excursions or Exceedances~~ **contain the Permittee's obligation with regard to the reasonable response steps required by this condition. When for any one reading, the pressure drop across baghouse MVSA is outside the normal range of 4.0 and 10.0 inches of water or range established during the latest stack test, the Permittee shall take reasonable responsible steps.** When for any one reading, the pressure drop across cyclone D-1 or baghouses FC-1, ~~MVSA, C-4, CH-1, A/B ch~~ **B asp**, A plf, A/B asp, C ~~asps~~ or C-5 is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. When for any one reading, the pressure drop across cyclones D-2, ~~through~~ **D-4, D-5, and** D-6, or baghouses ~~RS-1, GSF, TLF, C-1, C-2, B plf or C plf~~ **& booster fan** is outside the normal range of 1.0 and 4.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. ~~in accordance with Section C - Response to Excursions or Exceedances~~ **contain the Permittee's obligation with regard to the reasonable response steps required by this condition.** When for any one reading, the pressure drop across **cyclone D-3 and** baghouses ~~RS-1, A/B feed, C-3, or C-6 or C-2~~ is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps, shall be considered a deviation from this permit.

...

#### D.1.9 Record Keeping Requirements

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- (a) To document compliance with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the process stack exhausts (Stacks RS-1, ~~M-1, M-2, M-3~~ **V-1, V-2, V-3**, ~~CH-1, D-8, D-7, MVSA, P-1~~ **TLP**, GSF, ~~FC-1~~ and TLF). The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the milling operation did not operate that day).

...

SECTION D.2

FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour; and Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour [326 IAC 6-2-4]:
- (1) One (1) natural gas-fired boiler, identified as B1, constructed after September 21, 1983, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 1.67 million British thermal units per hour; and
  - (2) One (1) natural gas-fired boiler, identified as B2, constructed in 1998, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 4.19 million British thermal units per hour.
  - (3) **One (1) natural gas fired boiler, identified as B3, constructed in 2010, permitted in 2011, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 6.695 million British thermal units per hour.**

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

... All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Duane Van Laningham, of my staff, at 317-234-6544 or 1-800-451-6027, and ask for extension 4-6544.

Sincerely,



Alfred C. Dumauval, Ph. D., Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Updated Permit

ACD/dv

cc: File - Grant County  
Grant County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch  
Billing, Licensing and Training Section



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## OFFICE OF AIR QUALITY

**Agricor, Inc.**  
**1626 South Joaquin Drive**  
**Marion, Indiana 46952**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

**The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.**

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a FESOP under 326 IAC 2-8.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F 053-16206-00052	
Original Signed by: Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: September 12, 2007  Expiration Date: September 12, 2017

First Administrative Amendment No.: 053-25650-00052, issued on January 14, 2008  
Second Administrative Amendment No.: 053-27250-00052, issued on February 2, 2009  
First Minor Permit Revision No.: 053-28627-00052, issued on January 26, 2010  
Third Administrative Amendment No.: 053-29046-00052, issued on May 5, 2010

Fourth Administrative Amendment No.: 053-30313-00052	
Issued by:  Alfred C. Dumauval, Ph.D., Section Chief Permits Branch Office of Air Quality	Issuance Date: July 25, 2011  Expiration Date: September 12, 2017

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## SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.4 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

### A.1 General Information [326 IAC 2-8-3(b)]

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The Permittee owns and operates a dry corn milling operation.

Source Address:	1626 South Joaquin Drive, Marion, Indiana 46952
General Source Phone Number:	765-662-0606
SIC Code:	2041
County Location:	Grant
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit Program Minor Source, under PSD Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

### A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

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This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) receiving pit, identified as Line 1 Receiving, constructed in 1983, capacity: 112,000 pounds of corn per hour.
- (b) One (1) truck receiving system, identified as RS-1, constructed in 2002, capacity 560,000 pounds of grain products per hour, consisting of the following:
  - (1) One (1) receiving conveyor, identified as RC-1, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
  - (2) Three (3) receiving bins, identified as RSB-1, RSB-2, and RSB-3;
  - (3) One (1) transfer conveyor, identified as RC-2, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
  - (4) One (1) truck receiving pit, identified as RP, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
- (c) Three (3) storage bins, identified as M-1, M-2, and M-3, constructed in 1983, capacity: 120,000 pounds of grain products, each.
- (d) Fifteen (15) finished product storage bins, identified as 1-1 through 1-4, 2-1 through 2-4, 3-1 through 3-4, and 4-1 through 4-3, constructed in 1983, capacity: 50,000 pounds of grain products each. Finished product is transferred to the packaging operation. Packaging exhaust from the packaging operation is routed through a baghouse, identified as PDC, and exhausting to Stack PDC.
- (e) One (1) storage bin, identified as Temper, constructed in 1983, capacity: 20,000 pounds of grain products.
- (f) Five (5) storage bins, identified as C-1, C-2, C-3, and C-4, constructed in 1983, and C-5, constructed in 2001, capacity: 560,000 pounds of corn, each.

- (g) One (1) transfer operation, which includes storage, conveyors, legs, and vents, identified as Transfer Operation, constructed in 1983 and modified in 2001, capacity: 56,000 pounds of corn per hour.
- (h) One (1) grain handling and cleaning operation, identified as Line 1 and 2 Cleaning, constructed in 1983 and modified in 2001, equipped with one (1) baghouses for particulate control. Baghouse CH-1 vents inside the Cleaning House, capacity: 56,000 pounds of corn per hour.
- (i) One (1) meal drying operation, identified as Line 1 Drying, constructed in 1983, equipped with three (3) rotary dryers, identified as Meal, Grits, and Cones Dryers and three (3) cyclones for particulate control, identified as D-1, D-2, and D-3, each initially exhausting to an additional cyclone, identified as D-8 which then exhausts to Stack D-8, capacity: 28,000 pounds of grain per hour.
- (j) One (1) meal drying operation, identified as Line 2 Drying, constructed in 2001, capacity 28,000 pounds of grain products per hour, consisting of the following:
  - (1) One (1) meal rotary dryer, identified as D4, equipped with one (1) cyclone for particulate control, identified as D-4, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
  - (2) One (1) grits rotary dryer, identified as D5, equipped with one (1) cyclone for particulate control, identified as D-5, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
  - (3) One (1) flour rotary dryer, identified as D6, equipped with one (1) cyclone for particulate control, identified as D-6, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
- (k) One (1) cooling operation, identified as Line 1 Cooling, constructed in 1983, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-1 and C-2, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of grain products per hour.
- (l) One (1) cooling operation, identified as Line 2 Cooling, constructed in 2001, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-4 and C-5, with C-4 and C-5 exhausting to Stacks C-4 and C-5 initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of grain products per hour.
- (m) One (1) milling line, identified as Line 1 Milling, constructed in 1983 with equipment upgrades in 1998, consisting of the following: one sifting operation, one grinding operation, and one aspiration operation equipped with five (5) baghouses for particulate control, identified as A/B asp, A plf, B asp, B plf, and A/B feed, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of corn per hour.

- (n) One (1) milling line, identified as Line 2 Milling, constructed in 2001, capacity: 28,000 pounds of corn per hour, consisting of the following: three (3) roller mills, two (2) sifting operations, and eight (8) aspiration operations, equipped with three (3) baghouses for particulate control, identified as MVSA, C gs and C plf & booster fan, all initially exhausting inside the Milling Buildings, which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3)
- (o) One (1) hammermill, constructed in 2001, equipped with a baghouse for particulate control, identified as GSF, exhausting to Stack GSF, capacity: 28,000 pounds of corn per hour.
- (p) One (1) feed conveying operation, constructed in 2001, equipped with a baghouse for particulate control, identified as FC-1, exhausting to Stack FC-1, initially exhausting inside the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of corn per hour.
- (q) One (1) food grade product packaging, loading and shipping operation, identified as Food Grade Load-out, which includes the Truck Load-out, Rail Load-out and bagging operation, with a combined capacity of 225,680 tons per year. Truck Load-out was constructed in 1983, equipped with a baghouse, identified as TLP, exhausting to Stack TLP, capacity 51,520 pounds of grain products per hour. The bagging operation was constructed in 1983. Packaging exhaust is routed through a baghouse identified as PDC, which exhausts to Stack PDC. Rail Load-out was constructed in 1983, capacity 51,520 pounds of product per hour.
- (r) One (1) feed loading and shipping operation, identified as Feed Load-out, which includes the 2006 Feed Load-out, Old Feed Load-out and Rail Feed Load-out, with a combined maximum capacity of 78,980 tons per year. 2006 Feed Load-out was constructed in 2006, equipped with two (2) baghouses, identified as TLF and GSF, exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of feed per hour. Rail Feed Load-out was constructed in 1983 and has a capacity of 100,000 pounds of feed per hour.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour; and Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour [326 IAC 6-2-4].

- (a) One (1) natural gas-fired boiler, identified as B1, constructed after September 21, 1983, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 1.67 million British thermal units per hour; and
- (b) One (1) natural gas-fired boiler, identified as B2, constructed in 1998, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 4.19 million British thermal units per hour.
- (c) One (1) natural gas fired boiler, identified as B3, constructed in 2010, permitted in 2011, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 6.695 million British thermal units per hour.
- (d) Unpaved roads and parking lots with public access. [326 IAC 2-7-1(21)(G)(xiii)]

A.4 FESOP Applicability [326 IAC 2-8-2]

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This stationary source, otherwise required to have a Part 70 Permit as described in 326 IAC 2-7-2(a), has applied to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) to renew a Federally Enforceable State Operating Permit (FESOP).

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-8-1]**

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Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

### **B.2 Permit Term [326 IAC 2-8-4(b)] [326 IAC 2-1.1-9.5] [IC 13-15-3-6(a)]**

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- (a) This permit, F053-16206-00052, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

### **B.3 Term of Conditions [326 IAC 2-1.1-9.5]**

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Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

### **B.4 Enforceability [326 IAC 2-8-6] [IC 13-17-12]**

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Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

### **B.5 Severability [326 IAC 2-8-4(4)]**

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The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

### **B.6 Property Rights or Exclusive Privilege [326 IAC 2-8-4(5)(D)]**

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This permit does not convey any property rights of any sort or any exclusive privilege.

### **B.7 Duty to Provide Information [326 IAC 2-8-4(5)(E)]**

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-8-3(d)] [326 IAC 2-8-4(3)(C)(i)] [326 IAC 2-8-5(1)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-8-5(a)(1) if:
- (i) it contains a certification by an "authorized individual", as defined by 326 IAC 2-1.1-1(1), and
  - (ii) the certification states that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.9 Annual Compliance Certification [326 IAC 2-8-5(a)(1)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:
- Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
  - (2) The compliance status;
  - (3) Whether compliance was continuous or intermittent;
  - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-8-4(3); and
  - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

B.10 Compliance Order Issuance [326 IAC 2-8-5(b)]

IDEM, OAQ may issue a compliance order to this Permittee upon discovery that this permit is in nonconformance with an applicable requirement. The order may require immediate compliance or contain a schedule for expeditious compliance with the applicable requirement.

B.11 Preventive Maintenance Plan [326 IAC 1-6-3] [326 IAC 2-8-4(9)] [326 IAC 2-8-5(a)(1)]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

The Permittee shall implement the PMPs.

- (c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.12 Emergency Provisions [326 IAC 2-8-12]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation except as provided in 326 IAC 2-8-12.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a health-based or technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance and Enforcement Branch), or  
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and  
Enforcement Branch)  
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-8-4(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-8-3(c)(6) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-8 and any other applicable rules.
- (g) Operations may continue during an emergency only if the following conditions are met:
  - (1) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
  - (2) If an emergency situation causes a deviation from a health-based limit, the Permittee may not continue to operate the affected emissions facilities unless:
    - (A) The Permittee immediately takes all reasonable steps to correct the emergency situation and to minimize emissions; and
    - (B) Continued operation of the facilities is necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw material of substantial economic value.

Any operations shall continue no longer than the minimum time required to prevent the situations identified in (g)(2)(B) of this condition.

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

- (a) All terms and conditions of permits established prior to F 053-16206-00052 and issued pursuant to permitting programs approved into the state implementation plan have been

either:

- (1) incorporated as originally stated,
- (2) revised, or
- (3) deleted.

(b) All previous registrations and permits are superseded by this permit.

**B.14 Termination of Right to Operate [326 IAC 2-8-9] [326 IAC 2-8-3(h)]**

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The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-8-3(h) and 326 IAC 2-8-9.

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-8-4(5)(C)] [326 IAC 2-8-7(a)] [326 IAC 2-8-8]**

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(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Federally Enforceable State Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-8-4(5)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-8-8(a)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-8-8(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-8-8(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-8-8(c)]

**B.16 Permit Renewal [326 IAC 2-8-3(h)]**

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(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-8-3. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1 (21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
  - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-8 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-8-3(g) in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Revision [326 IAC 2-8-10] [326 IAC 2-8-11.1]

- (a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-8-10 or 326 IAC 2-8-11.1 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10 (b)(3)]

B.18 Operational Flexibility [326 IAC 2-8-15] [326 IAC 2-8-11.1]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-8-15(b) through (d) without a prior permit revision, if each of the following conditions is met:
- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any approval required by 326 IAC 2-8-11.1 has been obtained;
  - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total

emissions);

- (4) The Permittee notifies the:

Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-8-15(b) through (d). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-8-15(b)(2), (c)(1), and (d).

- (b) Emission Trades [326 IAC 2-8-15(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-8-15(c).
- (c) Alternative Operating Scenarios [326 IAC 2-8-15(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-8-4(7). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (d) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

**B.19 Source Modification Requirement [326 IAC 2-8-11.1]**

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A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

**B.20 Inspection and Entry [326 IAC 2-8-5(a)(2)] [IC 13-14-2-2] [IC 13-17-3-2] [IC 13-30-3-1]**

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Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a FESOP source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.21 Transfer of Ownership or Operational Control [326 IAC 2-8-10]

- (a) The Permittee must comply with the requirements of 326 IAC 2-8-10 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
Any such application does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-8-10 (b)(3)]

B.22 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-8-4(6)] [326 IAC 2-8-16][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ no later than thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.23 Credible Evidence [326 IAC 2-8-4(3)] [326 IAC 2-8-5] [62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

## SECTION C

## SOURCE OPERATION CONDITIONS

Entire Source

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### C.1 Particulate Emission Limitations for Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than one hundred (100) pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

#### C.2 Overall Source Limit [326 IAC 2-8]

The purpose of this permit is to limit this source's potential to emit to less than major source levels for the purpose of Section 502(a) of the Clean Air Act.

(a) Pursuant to 326 IAC 2-8:

- (1) The potential to emit any regulated pollutant, except particulate matter (PM), from the entire source shall be limited to less than one hundred (100) tons per twelve (12) consecutive month period. This limitation shall also make the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) not applicable;
- (2) The potential to emit any individual hazardous air pollutant (HAP) from the entire source shall be limited to less than ten (10) tons per twelve (12) consecutive month period; and
- (3) The potential to emit any combination of HAPs from the entire source shall be limited to less than twenty-five (25) tons per twelve (12) consecutive month period.

(b) Pursuant to 326 IAC 2-2(PSD) potential to emit particulate matter (PM) from the entire source shall be limited to less than two hundred fifty (250) tons per twelve (12) consecutive month period.

(c) This condition shall include all emission points at this source including those that are insignificant as defined in 326 IAC 2-7-1(21). The source shall be allowed to add insignificant activities not already listed in this permit, provided that the source's potential to emit does not exceed the above specified limits.

(d) Section D of this permit contains independently enforceable provisions to satisfy this requirement.

#### C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Fugitive Particulate Matter Emission Limitations [326 IAC 6-5]

Pursuant to 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations), fugitive particulate matter emissions shall be controlled according to the plan submitted on December 6, 1996. The plan consists of:

- (a) Wet suppression of dust from unpaved roadways on an as needed basis.
- (b) Keeping the truck speed within five (5) miles per hour by posting speed limit sign.

C.8 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted.

C.9 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

- (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

- (2) If there is a change in the following:

- (A) Asbestos removal or demolition start date;

- (B) Removal or demolition contractor; or
  - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
  - (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**  
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**  
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Licensed Asbestos Inspector**  
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos.

### **Testing Requirements [326 IAC 2-8-4(3)]**

#### **C.10 Performance Testing [326 IAC 3-6]**

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- (a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

### **Compliance Requirements [326 IAC 2-1.1-11]**

#### **C.11 Compliance Requirements [326 IAC 2-1.1-11]**

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The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

### **Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

#### **C.12 Compliance Monitoring [326 IAC 2-8-4(3)] [326 IAC 2-8-5(a)(1)]**

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Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial start-up, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a permit revision shall be implemented when operation begins.

#### **C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-8-4(3)] [326 IAC 2-8-5(1)]**

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- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

**Corrective Actions and Response Steps [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

**C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on October 7, 1998.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

**C.15 Risk Management Plan [326 IAC 2-8-4] [40 CFR 68]**

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

**C.16 Response to Excursions or Exceedances [326 IAC 2-8-4] [326 IAC 2-8-5]**

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Upon detecting an excursion, where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
  - (1) initial inspection and evaluation
  - (2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system);  
or
  - (3) any necessary follow-up actions to return operation to normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records;
  - (3) inspection of the control device, associated capture system, and the process.

- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall record the reasonable response steps taken.

**C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-8-4] [326 IAC 2-8-5]**

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of these its response actions to IDEM, OAQ no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

**Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)]**

**C.18 General Record Keeping Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-5]**

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

**C.19 General Reporting Requirements [326 IAC 2-8-4(3)(C)] [326 IAC 2-1.1-11]**

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted no later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

- (b) The address for report submittal is:
- Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

### **Stratospheric Ozone Protection**

#### **C.20 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the applicable standards for recycling and emissions reduction:

## SECTION D.1

## EMISSIONS UNIT OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: Dry Corn Milling Operation

- (a) One (1) receiving pit, identified as Line 1 Receiving, constructed in 1983, capacity: 112,000 pounds of corn per hour.
- (b) One (1) truck receiving system, identified as RS-1, constructed in 2002, capacity 560,000 pounds of grain products per hour, consisting of the following:
  - (1) One (1) receiving conveyor, identified as RC-1, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
  - (2) Three (3) receiving bins, identified as RSB-1, RSB-2, and RSB-3;
  - (3) One (1) transfer conveyor, identified as RC-2, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
  - (4) One (1) truck receiving pit, identified as RP, equipped with one (1) baghouse for particulate control, identified as Baghouse RS-1, exhausting to Stack RS-1;
- (c) Three (3) storage bins, identified as M-1, M-2, and M-3, constructed in 1983, capacity: 120,000 pounds of grain products, each.
- (d) Fifteen (15) finished product storage bins, identified as 1-1 through 1-4, 2-1 through 2-4, 3-1 through 3-4, and 4-1 through 4-3, constructed in 1983, capacity: 50,000 pounds of grain products each. Finished product is transferred to the packaging operation. Packaging exhaust for the packaging operation is routed through a baghouse, identified as PDC, and exhausting to Stack PDC.
- (e) One (1) storage bin, identified as Temper, constructed in 1983, capacity: 20,000 pounds of grain products.
- (f) Five (5) storage bins, identified as C-1, C-2, C-3, and C-4, constructed in 1983, and C-5, constructed in 2001, capacity: 560,000 pounds of corn, each.
- (g) One (1) transfer operation, which includes storage, conveyors, legs, and vents, identified as Transfer Operation, constructed in 1983 and modified in 2001, capacity: 56,000 pounds of corn per hour.
- (h) One (1) grain handling and cleaning operation, identified as Line 1 and 2 Cleaning, constructed in 1983 and modified in 2001, equipped with one (1) baghouse for particulate control. Baghouse CH-1 vents inside the Cleaning House, capacity: 56,000 pounds of corn per hour.
- (i) One (1) meal drying operation, identified as Line 1 Drying, constructed in 1983, equipped with three (3) rotary dryers, identified as Meal, Grits, and Cones Dryers and three (3) cyclones for particulate control, identified as D-1, D-2, and D-3, each initially exhausting to an additional cyclone, identified as D-8 which then exhausts to Stack D-8, capacity: 28,000 pounds of grain per hour.
- (j) One (1) meal drying operation, identified as Line 2 Drying, constructed in 2001, capacity 28,000 pounds of grain products per hour, consisting of the following:

- (1) One (1) meal rotary dryer, identified as D4, equipped with one (1) cyclone for particulate control, identified as D-4, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
  - (2) One (1) grits rotary dryer, identified as D5, equipped with one (1) cyclone for particulate control, identified as D-5, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
  - (3) One (1) flour rotary dryer, identified as D6, equipped with one (1) cyclone for particulate control, identified as D-6, then exhausting to the cyclone identified as D-7, which then exhausts to Stack D-7.
- (k) One (1) cooling operation, identified as Line 1 Cooling, constructed in 1983, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-1 and C-2, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of grain products per hour.
- (l) One (1) cooling operation, identified as Line 2 Cooling, constructed in 2001, equipped with two (2) coolers, identified as Meal and Grits Coolers and two (2) baghouses for particulate control, identified as C-4 and C-5, with C-4 and C-5 exhausting to Stacks C-4 and C-5 initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of grain products per hour.
- (m) One (1) milling line, identified as Line 1 Milling, constructed in 1983 with equipment upgrades in 1998, consisting of the following: one sifting operation, one grinding operation, and one aspiration operation equipped with five (5) baghouses for particulate control, identified as A/B asp, A plf, B asp, B plf, and A/B feed, initially exhausting to the Milling Building which then exhausts to general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of corn per hour.
- (n) One (1) milling line, identified as Line 2 Milling, constructed in 2001, capacity: 28,000 pounds of corn per hour, consisting of the following: three (3) roller mills, two (2) sifting operations, and eight (8) aspiration operations, equipped with three (3) baghouses for particulate control, identified as MVSA, C gs and C plf & booster fan, all initially exhausting inside the Milling Buildings, which then exhaust to general building ventilation (Stacks V-1, V-2 and V-3).
- (o) One (1) hammermill, constructed in 2001, equipped with a baghouse for particulate control, identified as GSF, exhausting to Stack GSF, capacity: 28,000 pounds of corn per hour.
- (p) One (1) feed conveying operation, constructed in 2001, equipped with a baghouse for particulate control, identified as FC-1, exhausting to Stack FC-1, initially exhausting inside the Milling Building which then exhausts inside general building ventilation (Stacks V-1, V-2 and V-3), capacity: 28,000 pounds of corn per hour.
- (q) One (1) food grade product packaging, loading and shipping operation, identified as Food Grade Load-out, which includes the Truck Load-out, Rail Load-out and bagging operation, with a combined capacity of 225,680 tons per year. Truck Load-out was constructed in 1983, equipped with a baghouse, identified as TLP, exhausting to Stack TLP, capacity 51,520 pounds of grain products per hour. The bagging operation was constructed in 1983. Packaging exhaust is routed through a baghouse identified as PDC, which exhausts to Stack PDC. Rail Load-out was constructed in 1983, capacity 51,520 pounds of product per hour.
- (r) One (1) feeding loading and shipping operation, identified as Feed Load-out, which includes the 2006 Feed Load-out, Old Feed Load-out and Rail Feed Load-out, with a combined maximum capacity of 78,980 tons per year. 2006 Fee Load-out was constructed in 2006, equipped with

two (2) baghouses, identified as TLF and GSF, exhausting to Stacks TLF and GSF, respectively, capacity 200,000 pounds of feed per hour. Rail Feed Load-out was constructed in 1983 and has a capacity of 100,000 pounds of feed per hour.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

**Emission Limitations and Standards [326 IAC 2-8-4(1)]**

**D.1.1 FESOP and PSD Minor Limits [326 IAC 2-2] [326 IAC 2-8]**

- (a) The total amount of corn received at the Truck Receiving shall be limited to less than 225,680 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.
  - (1) PM emissions from Truck Receiving shall be limited to 0.018 pounds per ton of grain received.
  - (2) PM<sub>10</sub> emissions from Truck Receiving shall be limited to 0.0059 pounds per ton of grain received.
- (b) Pursuant to F 053-7235-00052, issued on July 8, 1998, and in order to ensure that this source emits less than two hundred fifty (250) tons per year of PM, and less than one hundred (100) tons per year of PM<sub>10</sub>, the following hourly limits shall apply as specified below:

Facility	PM Limit (lbs/hour)	PM <sub>10</sub> Limit (lbs/hour)
<b>Line 1 and Line 2 Cleaning</b> Cleaninghouse Baghouse CH-1	3.49	3.49
<b>Line 1 Drying</b> Meal Dryer Cyclone, D-1 Grits Cyclone, D-2 Cones Cyclone, D-3 (ALL CONTROLLED BY CYCLONE D-8)	3.56	3.56
<b>Line 2 Drying</b> Meal Dryer Cyclone, D-4 Grits Dryer Cyclone, D-5 Cones Dryer Cyclone, D-6 (ALL CONTROLLED BY CYCLONE D-7)	1.94	1.94
<b>Line 1 Cooling</b> Meal Cooler Baghouse, C-1 Grits Cooler Baghouse, C-2	0.69 0.26	0.69 0.26
<b>Line 2 Cooling</b> Meal Cooler Baghouse, C-4 Grit Cooler Baghouse, C-5	0.56 0.56	0.56 0.56
<b>Line 1 Milling</b> Pneumatic Lift Baghouse, A plf Pneumatic Lift Baghouse, B plf Aspirator Baghouse, A/B asp Cleaninghouse Baghouse, B asp Feed Baghouse, A/B feed	0.50 0.26 1.20 1.54 0.45	0.50 0.26 1.20 1.54 0.45

Facility	PM Limit (lbs/hour)	PM <sub>10</sub> Limit (lbs/hour)
<b>Line 2 Milling</b>		
Pneumatic Lift Baghouse, C plf & booster fan	0.57	0.57
General Aspiration Baghouse, C gs	0.94	0.94
Aspirator Baghouse, MVSA	1.88	1.88
Feed Collection Baghouse, FC-1	0.65	0.65
<b>Loading/Shipping</b>		
Truck Loadout Baghouse (Feed), TLF	0.25	0.25
Truck Loadout Prime, TLP	1.06	1.06
General Suction Baghouse, GSF	0.15	0.15

Compliance with the above limits, combined with the potential to emit PM and PM10 from other emission units at the source, shall limit the PM and PM10 from the entire source to less than 250 tons and 100 tons per twelve (12) consecutive month period, respectively, and render 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) and 326 IAC 2-7 (Part 70) not applicable.

**D.1.2 Particulate [326 IAC 6-3-2]**

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from each of the facilities listed in the following table shall not exceed the pound per hour value when operating at the specified process weight rate:

Unit ID/ Process	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lbs/hr)
Line 1 Receiving (fugitive)	56	45.64
Truck Receiving (Baghouse RS-1)	280	62.22
Transfer Operations (fugitive)	28.0	38.23
Line 1 and Line 2 Cleaning (Baghouse CH-1)	28.0	38.23
Line 1 Drying (Stack D-8)	14.0	24.02
Line 2 Drying (Stack D-7)	14.0	24.02
Line 1 Cooling (Baghouses C-1 and C-2)	14.0	24.02
Line 2 Cooling (Baghouses C-4, and C-5)	14.0	24.02
Line 1 Milling (Baghouses A plf, B plf, A/B asp, B asp and A/B feed)	14.0	24.02
Line 2 Milling (Baghouses C plf & booster fan, C gs, MVSA, and FC-1)	14.0	24.02
Loading and Shipping (Baghouse TLF, TLP, and GSF)	25.76	36.15

Unit ID/ Process	Process Weight Rate (tons/hr)	Allowable Particulate Emission Rate (lbs/hr)
<b>Fugitive Load-out</b> Rail Feed Load-out and Old Feed Load-out	50	44.57

These limitations are based on the following equations:

Interpolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

and

Interpolation and extrapolation of the data for the process weight rate in excess of sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40 \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

When the process weight rate exceeds two hundred (200) tons per hour, the allowable emission may exceed that calculated by the above equation, provided the concentration of particulate in the discharge gases to the atmosphere is less than one-tenth (0.10) pound per one thousand (1,000) pounds of gases.

**D.1.3 Preventive Maintenance Plan [326 IAC 2-8-4(9)]**

A Preventive Maintenance Plan is required for these facilities. Section B – Preventive Maintenance Plan contains the Permittee’s obligation with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements**

**D.1.4 Particulate Control [326 IAC 2-7-6(6)]**

- (a) Pursuant to FESOP 053-7235-00052, issued on July 8, 1998, and in order to comply with Condition D.1.1, the control equipment for particulate control shall be in operation and control emissions from the facilities at all times that the facilities are in operation.
- (b) In the event that bag failure is observed in a multi-compartment baghouse, if operations will continue for ten (10) days or more after the failure is observed before the failed units will be repaired or replaced, the Permittee shall promptly notify the IDEM, OAQ of the expected date the failed units will be repaired or replaced. The notification shall also include the status of the applicable compliance monitoring parameters with respect to normal, and the results of any response actions taken up to the time of notification.

**Compliance Monitoring Requirements [326 IAC 2-8-4] [326 IAC 2-8-5(a)(1)]**

**D.1.5 Visible Emissions Notations**

- (a) Visible emission notations of Stacks RS-1, V-1, V-2, V-3, D-8, D-7, TLP, GSF, and TLF shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or

expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps shall be considered a deviation from this permit.

#### D.1.6 Parametric Monitoring [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

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- (a) The Permittee shall record the pressure drop across the control devices used in conjunction with the dry corn milling operation at least once per day when the associated processes are in operation. When for any one reading, the pressure drop across baghouse P-1 is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. When for any one reading, the pressure drop across baghouse MVSA is outside the normal range of 4.0 and 10.0 inches of water or range established during the latest stack test, the Permittee shall take reasonable response steps. When for any one reading, the pressure drop across cyclone D-1 or baghouses FC-1, C-4, CH-1, B asp, A plf, A/B asp, C gs or C-5 is outside the normal range of 2.0 and 8.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. When for any one reading, the pressure drop across cyclones D-2, D-4, D-5, and D-6, or baghouses GSF, TLF, C-1, B plf or C plf & booster fan is outside the normal range of 1.0 and 4.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. When for any one reading, the pressure drop across cyclone D-3 and baghouses RS-1, A/B feed, or C-2 is outside the normal range of 1.0 and 6.0 inches of water or a range established during the latest stack test, the Permittee shall take reasonable response steps. A pressure reading that is outside the above mentioned range is not a deviation from this permit. Failure to take response steps shall be considered a deviation from this permit.
- (b) The instrument used for determining the pressure shall comply with Section C - Instrument Specifications, of this permit, shall be subject to approval by IDEM, OAQ, and shall be calibrated or replaced at least once every six (6) months.

#### D.1.7 Broken or Failed Bag Detection

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- (a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency

provisions of this permit (Section B - Emergency Provisions).

Bag failure can be indicated by a significant drop in the baghouse's pressure reading with abnormal visible emissions, by an opacity violation, or by other means such as gas temperature, flow rate, air infiltration, leaks or dust traces.

#### D.1.8 Cyclone Failure Detection

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- (a) For a cyclone controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).
- (b) For a cyclone controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the line. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

### **Record Keeping and Reporting Requirements [326 IAC 2-8-4(3)] [326 IAC 2-8-16]**

#### D.1.9 Record Keeping Requirements

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- (a) To document the compliance status with Condition D.1.5, the Permittee shall maintain a daily record of visible emission notations of the process stack exhausts (Stacks RS-1, V-1, V-2, V-3, D-8, D-7, TLP, GSF, and TLF). The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the milling operation did not operate that day).
- (b) To document the compliance status with Condition D.1.6, the Permittee shall maintain daily records of the pressure drop across the cyclones and baghouses controlling the milling process. The Permittee shall include in its daily record when a pressure drop reading is not taken and the reason for the lack of a pressure drop reading (e.g., the milling operation did not operate that day).

#### D.1.10 Reporting Requirements

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A quarterly summary of the information to document compliance with Conditions D.1.1(a) shall be submitted not later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meet the requirements of 326 IAC 2-8-5(a)(1) by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

## SECTION D.2

## FACILITY OPERATION CONDITIONS

### Facility Description [326 IAC 2-8-4(10)]: Insignificant Activities

- (a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour; and Propane for liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) British thermal units per hour [326 IAC 6-2-4]:
- (1) One (1) natural gas-fired boiler, identified as B1, constructed after September 21, 1983, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 1.67 million British thermal units per hour; and
  - (2) One (1) natural gas-fired boiler, identified as B2, constructed in 1998, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 4.19 million British thermal units per hour.
  - (3) One (1) natural gas fired boiler, identified as B3, constructed in 2010, permitted in 2011, utilizing liquid petroleum gas as a back-up fuel, heat input capacity: 6.695 million British thermal units per hour.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

### Emission Limitations and Standards [326 IAC 2-8-4(1)]

#### D.2.1 Particulate Emission Limitations for Sources of Indirect Heating [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(d)), the particulate emissions from B1 shall not exceed 0.6 pound per million British thermal units heat input (lb/MMBtu).
- (b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating: Emission limitations for facilities specified in 326 IAC 6-2-1(d)), the particulate emissions from B2 shall not exceed 0.6 pound per million British thermal units heat input (lb/MMBtu).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
CERTIFICATION**

Source Name: Agricor, Inc.  
Source Address: 1626 South Joaquin Drive, Marion, Indiana 46952  
FESOP No.: F 053-16206-00052

**This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) \_\_\_\_\_
- Report (specify) \_\_\_\_\_
- Notification (specify) \_\_\_\_\_
- Affidavit (specify) \_\_\_\_\_
- Other (specify) \_\_\_\_\_

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: 317-233-0178  
Fax: 317-233-6865**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
EMERGENCY OCCURRENCE REPORT**

Source Name: Agricor, Inc.  
Source Address: 1626 South Joaquin Drive, Marion, Indiana 46952  
FESOP No.: F 053-16206-00052

**This form consists of 2 pages**

**Page 1 of 2**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance and Enforcement Branch); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency?    Y    N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FESOP Quarterly Report**

Source Name: Agricor, Inc.  
Source Address: 1626 South Joaquin Drive, Marion, Indiana 46952  
FESOP No.: F 053-16206-00052  
Facility: Truck Receiving  
Parameter: Tons of corn received  
Limit: Less than 225,680 tons per twelve (12) consecutive month period, with compliance determined at the end of each month

YEAR: \_\_\_\_\_

Month	Tons of Corn Received	Tons of Corn Received	Tons of Corn Received
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.  
Deviation has been reported on \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title/Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP)  
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Agricor, Inc.  
Source Address: 1626 South Joaquin Drive, Marion, Indiana 46952  
FESOP No.: F 053-16206-00052

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

Page 1 of 2

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	
<b>Permit Requirement</b> (specify permit condition #)	
<b>Date of Deviation:</b>	<b>Duration of Deviation:</b>
<b>Number of Deviations:</b>	
<b>Probable Cause of Deviation:</b>	
<b>Response Steps Taken:</b>	

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Appendix A: Emissions Calculations  
Summary**

**Company Name:** Agricolor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

**Potential to Emit Before Controls (tons per year)**

<b>Process</b>	<b>PM</b>	<b>PM10</b>	<b>PM2.5</b>	<b>SO<sub>2</sub></b>	<b>NO<sub>x</sub></b>	<b>VOC</b>	<b>CO</b>	<b>CO2e</b>	<b>Total HAPs</b>	<b>Single Highest HAP</b>
Line 1 Receiving	1.26	0.41	<b>0.07</b>	-	-	-	-	-	-	-
Truck Receiving - Point	20.31	6.66	<b>1.13</b>	-	-	-	-	-	-	-
Truck Receiving - Fugitive	18.28	5.99	<b>1.02</b>	-	-	-	-	-	-	-
Transfer Operation (Includes Storage, Legs, Conveyors and Vents)	7.48	4.17	<b>0.71</b>	-	-	-	-	-	-	-
Cleaning	91.98	23.30	<b>3.92</b>	-	-	-	-	-	-	-
Line 1 Drying (3 Rotary Dryers)	183.96	45.99	<b>7.97</b>	-	-	-	-	-	-	-
Line 2 Drying (3 Rotary Dryers)	183.96	45.99	<b>7.97</b>	-	-	-	-	-	-	-
Line 1 Cooling (3 Coolers)	110.38	67.45	67.45	-	-	-	-	-	-	-
Line 2 Cooling (3 Coolers)	110.38	67.45	67.45	-	-	-	-	-	-	-
Line 1 Milling	4292.40	2146.20	2146.20	-	-	-	-	-	-	-
Line 2 Milling	4292.40	2146.20	2146.20	-	-	-	-	-	-	-
Feed Load-out	0.13	0.03	0.03	-	-	-	-	-	-	-
Food Grade Load-out*	9.70	3.27	0.04	-	-	-	-	-	-	-
Insignificant Activities (Boilers, Unpaved Roads)**	3.46	1.37	1.37	0.09	11.11	0.30	4.62	14110.62	0.104	0.099
<b>Total</b>	<b>9326.07</b>	<b>4564.49</b>	<b>4451.54</b>	<b>0.09</b>	<b>11.11</b>	<b>0.30</b>	<b>4.62</b>	<b>14110.62</b>	<b>0.104</b>	(Hexane)

\* Worst case for Food Grade Load-out between controlled truck and uncontrolled rail.

\*\* Worst case for Boilers between using natural gas or using propane as backup.

**Appendix A: Emissions Calculations  
Summary**

**Company Name:** Agricolor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

**Potential to Emit After Controls (tons per year)**

Process	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO		Total HAPs	Single Highest HAP
Line 1 Receiving	1.26	0.41	<b>0.07</b>	-	-	-	-	-	-	-
Truck Receiving - Point	2.04	0.67	<b>0.11</b>	-	-	-	-	-	-	-
Truck Receiving - Fugitive	18.28	5.99	<b>1.02</b>	-	-	-	-	-	-	-
Transfer Operation (Includes Storage, Legs, Conveyors and Vents)	7.48	4.17	<b>0.71</b>	-	-	-	-	-	-	-
Cleaning	0.92	0.23	<b>0.04</b>	-	-	-	-	-	-	-
Line 1 Drying (3 Rotary Dryers)	9.20	2.30	<b>0.40</b>	-	-	-	-	-	-	-
Line 2 Drying (3 Rotary Dryers)	9.20	2.30	<b>0.40</b>	-	-	-	-	-	-	-
Line 1 Cooling (3 Coolers)	1.10	0.67	0.67	-	-	-	-	-	-	-
Line 2 Cooling (3 Coolers)	1.10	0.67	0.67	-	-	-	-	-	-	-
Line 1 Milling	4.29	2.15	2.15	-	-	-	-	-	-	-
Line 2 Milling	4.29	2.15	2.15	-	-	-	-	-	-	-
Feed Load-out	0.13	0.03	0.03	-	-	-	-	-	-	-
Food Grade Load-out*	3.05	0.25	0.04	-	-	-	-	-	-	-
Insignificant Activities (Boilers, Unpaved Roads)**	3.46	1.37	1.37	0.088	11.11	0.30	4.62	14110.62	0.104	0.099
<b>Total</b>	<b>65.79</b>	<b>23.36</b>	<b>9.83</b>	<b>0.09</b>	<b>11.11</b>	<b>0.30</b>	<b>4.62</b>	<b>14110.62</b>	<b>0.104</b>	(Hexane)

\* Worst case for Food Grade Load-out between controlled truck and uncontrolled rail.

\*\* Worst case for Boilers between using natural gas or using propane as backup.

**Appendix A: Emissions Calculations  
Grain Processing**

Company Name: Agricolor, Inc.  
Address City IN Zip: 1626 South Joaquin Dr., Marion, Indiana 46952  
Permit Number: F053-16206-00053  
Administrative Amendment No: 053-30313-00053  
Reviewer: Duane Van Laningham  
Date: 3/24/2011

Process	Pounds per Hour (lbs/hr)	Annual Throughput (tons/yr)	PM Emission Factor (lbs/ton)	PM-10 Emission Factor (lbs/ton)	PM-2.5 Emission Factor (lbs/ton)	Uncontrolled PM Emissions (lbs/hr)	Controlled PM Emissions (lbs/hr)	Potential to Emit PM Before Controls (tons/yr)	Potential to Emit PM-10 Before Controls (tons/yr)	Potential to Emit PM-2.5 Before Controls (tons/yr)	Control Efficiency (%)	Potential to Emit PM After Controls (tons/yr)	Potential to Emit PM-10 After Controls (tons/yr)	Potential to Emit PM-2.5 After Controls (tons/yr)	PM Fugitive Emissions (tons/yr)	PM-10 Fugitive Emissions (tons/yr)	PM-2.5 Fugitive Emissions (tons/yr)
Line 1 Receiving (3-02-005-51)	3196.35	14,000.00	0.18	0.059	0.010	10.08	10.08	1.26	0.41	0.07	0%	1.26	0.413	0.070			
Truck Receiving (3-02-005-51) (Includes Storage, Legs, Conveyors and Vents) (3-02-005-30)	5525.11	225,680.00	0.18	0.059	0.010	50.4	5.05	20.31	6.658	1.128	89.98%	2.035	0.667	0.113	18.28	5.99	1.02
Cleaning (3-02-005-03)	56000.00	245,280.00	0.061	0.034	0.0058	0.854	0.854	7.48	4.17	0.71	0%	7.48	4.170	0.711			
Line 1 Drying (3 Rotary Dryers) (3-02-005-28)	28000.00	122,640.00	0.075	0.019	0.0032	21.000	0.210	91.98	23.30	3.92	99.00%	0.92	0.233	0.039			
Line 2 Drying (3 Rotary Dryers) (3-02-005-28)	28000.00	122,640.00	3.00	0.750	0.130	42.000	2.1	183.96	45.99	7.97	95.00%	9.20	2.30	0.399			
Line 1 Cooling (3 Coolers) (3-02-007-90)	28000.00	122,640.00	3.00	0.750	0.130	42.000	2.1	183.96	45.99	7.97	95.00%	9.20	2.30	0.399			
Line 2 Cooling (3 Coolers) (3-02-007-90)	28000.00	122,640.00	1.80	1.10	1.10	25.200	0.25	110.38	67.45	67.45	99.00%	1.104	0.675	0.675			
Line 1 Milling (3-02-007-34)	28000.00	122,640.00	1.80	1.10	1.10	25.20	0.25	110.38	67.45	67.45	99.00%	1.104	0.675	0.675			
Line 2 Milling SCC (3-02-007-34)	28000.00	122,640.00	70.00	35.00	35.00	980.00	0.98	4,292.40	2,146.20	2,146.20	99.90%	4.29	2.15	2.146			
Feed Load-out Operation (2006 Feed Load-out, Rail Feed Load-out or Old Feed Load-out) SCC 3-02-008-03	18032.00	78,980.00	0.0033	0.0008	0.0008	0.09	0.09	0.13	0.03	0.03	0.00%	0.13	0.032	0.032			
Food Grade Load-out Operation (Truck Load-out or Rail Load-out) (these calculations demonstrate uncontrolled Rail Load-out calculations) SCC 3-02-005-63	51520.00	225,680.00	0.027	0.0022	0.00037	1.35	1.35	3.05	0.25	0.04	0.00%	3.05	0.248	0.042			
Food Grade Load-out Operation (Truck Load-out or Rail Load-out) (these calculations show emissions as controlled by TLP) SCC 3-02-005-60	51520.00	225,680.00	0.086	0.0290	0.00037	4.30	0.004	9.70	3.27	0.04	99.90%	0.01	0.003	0.000			

**Total:** 9,297.68      4,554.11      44.06      16.00      7.45

**Total Process Emissions including Fugitives:** 18.28      5.99      1.02

**Methodology**

Annual throughput (tons per year) x Emission Factor (lb/ton x 1 ton/2000 hours = Potential to Emit Before Controls (tons/yr)

Potential to Emit After Controls (tons/yr) = Potential to Emit Before Controls (tons/yr) \* (1 - Control Efficiency (%))

The hourly capacity for Truck Receiving, based on conveyor capacity, is 10,000 bushels per hour (560,000 pounds per hour or 280 tons per hour). Annual Throughput for Truck Receiving is limited to 225,680 tons per year.

Processing equipment upstream from Feed Load-out operations has 18,032 lb/hour capacity. If feed is being loaded through the 2006 Feed Load-out it would be controlled by TLF. Only uncontrolled emissions shown here to demonstrate worst case.

Processing equipment upstream from Feed Load-out operations has 51,520 lb/hour capacity. Chose worst case scenario for Food Grade Load-out for calculating total potential emissions.

**Emissions Calculations Summary  
Grain Processing - Limits**

**Company Name: Agricor, Inc.**  
**Address City IN Zip: 1626 South Joaquin Dr., Marion, Indiana 46952**  
**Permit Number: F053-16206-00053**  
**Admenistrative Amendment No: 053-30313-00053**  
**Reviewer: Duane Van Laningham**  
**Date: 3/24/2011**

**Flow Rate Based Limits**

Facility	Air Flow Rate (cfm)	Grain Loading (gr/dscf)	PM Limit (lbs/hr)	PM-10 Limit (lbs/hr)	PM Limit (tpy)	PM-10 Limit (tpy)
<b>Line 1 and Line 2 Cleaning</b>						
Cleaninghouse Baghouse CH-1	20340	0.02	3.49	3.49	15.27	15.27
<b>Line 1 Drying</b>						
Meal Dryer Cyclone, D-1 Grits Cylone, D-2 Cones Dryer Cyclone, D-3 (All Controlled by Cyclone D-8)	4034	0.103	3.56	3.56	15.60	15.60
<b>Line 2 Drying</b>						
Meal Dryer Cyclone, D-4 Grits Cylone, D-5 Flour Dryer Cyclone, D-6 (All Controlled by Cyclone D-7)	5520	0.041	1.94	1.94	8.50	8.50
<b>Line 1 Cooling</b>						
Meal Cooler Baghouse, C-1	4000	0.02	0.69	0.69	3.00	3.00
Grit Cooler Baghouse, C-2	1500	0.02	0.26	0.26	1.13	1.13
<b>Line 2 Cooling</b>						
Meal Cooler Baghouse, C-4	3270	0.02	0.56	0.56	2.46	2.46
Grit Cooler Baghouse, C-5	3270	0.02	0.56	0.56	2.46	2.46
<b>Line 1 Milling</b>						
Pneumatic Lift Baghouse, A plf	2940	0.02	0.50	0.50	2.21	2.21
Pneumatic Lift Baghouse, B plf	1500	0.02	0.26	0.26	1.13	1.13
Aspirator Baghouse, A/B Asp	7000.0	0.02	1.20	1.20	5.26	5.26
Cleaninghouse Baghouse B asp	9000	0.02	1.54	1.54	6.76	6.76
Feed Baghouse, A/B feed	2600	0.02	0.45	0.45	1.95	1.95
<b>Line 2 Milling</b>						
Pneumatic Lift Baghouse, C plf & Booster Fan	3300	0.02	0.57	0.57	2.48	2.48
General Aspiration Baghouse, C gs	5500	0.02	0.94	0.94	4.13	4.13
Aspirator Baghouse, MVSA	11000.0	0.02	1.89	1.89	8.26	8.26
Feed Collection Baghouse, FC-1	3800	0.02	0.65	0.65	2.85	2.85
<b>Loading/Shipping</b>						
Truck Loadout Baghouse Filter, (TLF)	1450	0.02	0.25	0.25	1.09	1.09
Truck Loadout (Prime), TLP	6200	0.02	1.06	1.06	4.66	4.66
General Suction Baghouse, GSF	900	0.02	0.15	0.15	0.68	0.68
<b>Totals</b>			<b>20.51</b>	<b>20.51</b>	<b>89.85</b>	<b>89.85</b>

**Appendix A: Emissions Calculations  
Natural Gas Combustion Only  
MM BTU/HR <100  
Small Industrial Boilers**

**Company Name:** Agricor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** 053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr	<i>Emission Unit</i>			<i>MMBtu/hr Rating</i>
		B1	B2	B3	
					1.67
					4.18
					<b>6.70</b>
			<b>Total:</b>		<b>12.55</b>
<b>12.55</b>	110				

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100	5.50	84.0
				**see below		
Potential Emission in tons/yr	0.104	<b>0.418</b>	0.033	5.50	<b>0.302</b>	<b>4.62</b>

\*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

\*\*Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

**Methodology**

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

See page 2 for HAPs emissions calculations.

**Appendix A: Emissions Calculations  
 Natural Gas Combustion Only  
 MM BTU/HR <100  
 Small Industrial Boiler  
 HAPs Emissions**

**Company Name:** Agricor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

HAPs - Organics					
Emission Factor in lb/MMcf	Benzene 0.00210	Dichlorobenzene 0.00120	Formaldehyde 0.07500	Hexane 1.80000	Toluene 0.00340
Potential Emission in tons/yr	0.00012	0.00007	0.004	0.099	0.00019

HAPs - Metals						
Emission Factor in lb/MMcf	Lead 0.0005	Cadmium 0.0011	Chromium 0.0014	Manganese 0.0004	Nickel 0.0021	<b>Total</b>
Potential Emission in tons/yr	0.00003	0.00006	0.00008	0.00002	0.00012	<b>0.104</b>

Methodology is the same as page 3.

The five highest organic and metal HAPs emission factors are provided above.  
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations****Natural Gas Combustion Only****MMBTU/HR >100****Greenhouse Gas Emissions****Company Name: Agricor, Inc.****Address City IN Zip: 1626 South Joaquin Dr., Marion, Indiana 46952****Permit Number: F053-16206-00053****Administrative Amendment No: 053-30313-00053****Reviewer: Duane Van Laningham****Date: 3/24/2011**

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120000	2.3	2.2
Potential Emission in tons/yr	6595.7544	0.126418626	0.120922164
Summed Potential Emissions in tons/yr	6596.001741		
CO2e Total in tons/yr	6635.895062		

**Methodology**

The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.

Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential

**Appendix A: Emission Calculations  
LPG-Propane - Industrial Boilers**

**Company Name:** Agricor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

<u>Emission Unit</u>	<u>MMBtu/hr Rating</u>
B1	1.67
B2	4.18
<b>B3</b>	<b>6.70</b>
<b>Total:</b>	<b>12.55</b>

Heat Input Capacity (MMBtu/hr) = **12.55**  
 Potential Throughput (kgals/year) = **1169.46**  
 SO2 Emission factor = 0.10 x S  
 S = Sulfur Content = **1.50** grains/100ft<sup>3</sup>

Emission Factor in lb/kgal	Pollutant					
	PM*	PM10*	SO2 (0.10S)	NOx	VOC **TOC value	CO
Potential Emission in tons/yr	0.351	0.351	0.088	11.11	0.292	1.871

\*PM emission factor is filterable PM only. PM10 emission factor is assumed to be the same as PM based on a footnote in Table 1.5-1, therefore PM10 is filterable only as well.

\*\*The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

**Methodology**

1 gallon of LPG has a heating value of 94,000 Btu  
 (Source - AP-42 (Supplement B 10/96) page 1.5-1)  
 Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 kgal per 1000 gallon x 1 gal per 0.0915 MMBtu  
 Emission Factors are from AP42 (Supplement B 10/96), Table 1.5-1 (SCC #1-02-010-02)  
 Emission (tons/yr) = Throughput (kgals/yr) x Emission Factor (lb/kgal) / 2,000 lb/ton

**Appendix A: Emission Calculations  
LPG-Propane - Industrial Boilers  
(Heat input capacity: > 10 MMBtu/hr and < 100 MMBtu/hr)**

**Greenhouse Gas**  
**Company Name:** Agricor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Plt ID:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

Emission Factor in lb/kgal	Greenhouse Gas		
	CO2	CH4	N2O
Potential Emission in tons/yr	7309.1	0.1	0.5
Summed Potential Emissions in tons/yr	7309.8		
CO2e Total in tons/yr	7474.720536		

**Methodology**

The CO2 Emission Factor for Propane is 12500. The CO2 Emission Factor for Butane is 14300.  
 Emission Factors are from AP 42 (7/08), Table 1.5-1 (SCC #1-02-010-02)  
 Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.  
 Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton  
 CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O

**Appendix A: Emission Calculations  
Unpaved Roads**

**Company Name:** Agricolor, Inc.  
**Address City IN Zip:** 1626 South Joaquin Dr., Marion, Indiana 46952  
**Permit Number:** F053-16206-00053  
**Administrative Amendment No:** 053-30313-00053  
**Reviewer:** Duane Van Laningham  
**Date:** 3/24/2011

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

$$\begin{aligned}
 & 0.86 \text{ trip/hr} \times \\
 & 0.0379 \text{ mile/trip} \times \\
 & 2 \text{ (round trip) } \times \\
 & 8760 \text{ hr/yr} = \qquad \qquad \qquad 571.05 \text{ miles per year}
 \end{aligned}$$

**PM**

$$\begin{aligned}
 E_f &= k \cdot [(s/12)^{0.9}] \cdot [(W/3)^b] \\
 &= 10.87 \text{ lb/mile} \\
 \text{where } k &= 4.9 \text{ (particle size multiplier for PM (k=4.9 for PM-30 or TSP))} \\
 s &= 8.4 \text{ mean \% silt content of unpaved roads} \\
 b &= 0.45 \text{ Constant for PM} \\
 W &= 36 \text{ tons average vehicle weight} \\
 M &= 0.2 \text{ surface material moisture content, \% (default is 0.2 for dry)}
 \end{aligned}$$

$$E = \frac{10.87 \text{ lb/mi} \times 571.05 \text{ mi/yr}}{2000 \text{ lb/ton}} = \boxed{3.10 \text{ tons/yr}}$$

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [(365-p)/365] = \qquad \qquad \qquad 2.04 \text{ tons/yr}$$

where p = 125 days of rain greater than or equal to 0.01 inches(see Fig. 13.2.2-1)

**PM-10**

$$\begin{aligned}
 E_f &= k \cdot [(s/12)^{0.9}] \cdot [(W/3)^b] \\
 &= 3.33 \text{ lb/mile} \\
 \text{where } k &= 1.5 \text{ (particle size multiplier for PM (k=4.9 for PM-30 or TSP))} \\
 s &= 8.4 \text{ mean \% silt content of unpaved roads} \\
 b &= 0.45 \text{ Constant for PM-10} \\
 W &= 36 \text{ tons average vehicle weight} \\
 M &= 0.2 \text{ surface material moisture content, \% (default is 0.2 for dry)}
 \end{aligned}$$

$$E = \frac{3.33 \text{ lb/mi} \times 571.05 \text{ mi/yr}}{2000 \text{ lb/ton}} = \boxed{0.951 \text{ tons/yr}}$$

Taking natural mitigation due to precipitation into consideration:

$$E_{ext} = E \cdot [(365-p)/365] = \qquad \qquad \qquad 0.625 \text{ tons/yr}$$

where p = 125 days of rain greater than or equal to 0.01 inches(see Fig. 13.2.2-1)



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: Dan Friday  
Agricor, Inc  
1626 S Joaquin  
Marion, IN 46952

DATE: July 25, 2011

FROM: Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

SUBJECT: Final Decision  
Administrative Amendment  
053-30313-00052

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
Stephen Wickes (President)  
David Jordan (ERM)  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	MIDENNEY 7/25/2011 Agricor, Inc. 053-30313-00052 (final)		Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Dan Friday Agricor, Inc. 1626 S Joaquin Marion IN 46952 (Source CAATS) via confirm delivery										
2		Stephen H Wickes President Agricor, Inc. 1626 S Joaquin Marion IN 46952 (RO CAATS)										
3		Marion City Council and Mayors Office 301 S. Branson Street Marion IN 46952-4052 (Local Official)										
4		Grant County Commissioners 401 South Adams Marion IN 46953 (Local Official)										
5		Ms. Mary Shipley 10968 E 100 S Marion IN 46953 (Affected Party)										
6		Grant County Health Department 401 S. Adams St, Courthouse Complex Marion IN 46953-2031 (Health Department)										
7		Mr. Thomas Lee Clevenger 4005 South Franks Lane Selma IN 47383 (Affected Party)										
8		David Jordan Environmental Resources Management (ERM) 11350 North Meridian, Suite 320 Carmel IN 46032 (Consultant)										
9		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
10												
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Total number of pieces Listed by Sender  <b>8</b>	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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